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Sommen, P.; van Gerwen, P.; Kotmans, H.; Janssen, A.;
Circuits and Systems, IEEE Transactions on
Volume 34, Issue 7, Jul 1987 Page(s):788 - 798
AbstractPlus | Full Text: PDF(1232 KB)   **IEEE JNL**

☐   2. **On frequency domain adaptive filters using the overlap-add method**
Sommen, P.C.W.; Jayasinghe, J.A.K.S.;
Circuits and Systems, 1988., IEEE International Symposium on
7-9 June 1988 Page(s):27 - 30 vol.1
AbstractPlus | Full Text: PDF(216 KB)   **IEEE CNF**

☐   3. **A new robust frequency-domain adaptive filter with colored signal input**
Kinjo, S.; Oshiro, M.; Ochi, H.;
Circuits and Systems, 1997. Proceedings of the 40th Midwest Symposium on
Volume 2, 3-6 Aug. 1997 Page(s):823 - 826 vol.2
AbstractPlus | Full Text: PDF(264 KB)   **IEEE CNF**

☐   4. **A robust frequency-domain adaptive filter with colored input signal**
Kinjo, S.; Oshiro, M.; Ochi, H.; Nayeri, M.;
Signals, Systems & Computers, 1997. Conference Record of the Thirty-First Asilomar (
Volume 2, 2-5 Nov. 1997 Page(s):1651 - 1654 vol.2
AbstractPlus | Full Text: PDF(236 KB)   **IEEE CNF**

☐   5. **On the complexity of frequency-domain adaptive filtering**
Jablon, N.K.;
Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Signal Proi Transactions on]
Volume 39, Issue 10, Oct. 1991 Page(s):2331 - 2334
AbstractPlus | Full Text: PDF(456 KB)   **IEEE JNL**

☐   6.
Accelerated frequency domain adaptive filter using modified DFT pair and its app canceling
Nakanishi, I.; Itoh, Y.; Fukui, Y.;
Circuits and Systems, 2000. Proceedings. ISCAS 2000 Geneva. The 2000 IEEE Intern Symposium on

Volume 4, 28-31 May 2000 Page(s):361 - 364 vol.4

AbstractPlus | Full Text: PDF(292 KB)   IEEE CNF

7. **Equal convergence conditions for normal- and partitioned-frequency domain ad**
Sommen, P.C.W.; de Wilde, E.;
Acoustics, Speech, and Signal Processing, 1992. ICASSP-92., 1992 IEEE Internationa
Volume 4, 23-26 March 1992 Page(s):69 - 72 vol.4

AbstractPlus | Full Text: PDF(256 KB)   IEEE CNF

8. **Parallel implementation of the frequency bin adaptive-filter for acoustical echo c:**
Gan, W.S.; Chong, Y.K.;
Information, Communications and Signal Processing, 1997. ICICS., Proceedings of 19!
Conference on
9-12 Sept. 1997 Page(s):754 - 757 vol.2

AbstractPlus | Full Text: PDF(340 KB)   IEEE CNF

9. **A weighted normalized frequency domain LMS adaptive algorithm**
Florian, S.; Bershad, N.J.;
Acoustics, Speech, and Signal Processing [see also IEEE Transactions on Signal Proc
Transactions on
Volume 36, Issue 7, July 1988 Page(s):1002 - 1007

AbstractPlus | Full Text: PDF(416 KB)   IEEE JNL

10. **Noise reduction system based on frequency domain adaptive filter using modifie**
Nakanishi, I.; Itoh, Y.; Fukui, Y.;
Circuits and Systems, 2001. ISCAS 2001. The 2001 IEEE International Symposium on
Volume 2, 6-9 May 2001 Page(s):737 - 740 vol. 2

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	13	"5917921"	USPAT	OR	OFF	2005/04/12 17:23
S3	6	(("5917921") or ("5953380") or ("5978824") or ("5473684") or ("5473702") or ("5319736")).PN.	USPAT	OR	OFF	2005/04/12 17:24
S4	18	vaudrey.in. and microphone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 12:57
S5	61	saunders.in. and microphone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/12 17:53
S6	100	noise adj2 cancelling adj2 microphone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/12 17:56
S7	1	adaptive adj2 noise adj2 cancelling adj2 microphone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 15:41
S8	4	noise adj2 cancelling adj2 microphone same adaptive	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/12 17:27
S9	16	noise adj2 cancelling adj2 microphone and adaptive	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/12 17:35
S10	2	(("5303307") or ("5511130")).PN.	USPAT	OR	OFF	2005/04/12 17:41
S11	188	381/94.7,94.1,71.1.ccls. and speech same noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/13 15:24
S12	10	saunders.in. and microphone and adaptive	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/02 13:51
S13	2	"adaptive technologies".AS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/12 17:55
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S16	8	381/94.7,94.1,71.1.ccls. and one adj2 filter adj2 coefficient	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/12 18:06
S17	2	381/94.7,94.1,71.1.ccls. and (frequency adj2 comparator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/12 18:06

S18	1	381/94.1-94.7,71.1.ccls. and (frequency adj2 adaptive adj2 controller)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/13 15:24
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S20	1	(single adj2 weight adj2 adaptive adj2 filter)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/12 18:24
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S23	0	(1-tap adj2 filter) same (noise adj2 cancellation)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/13 14:58
S24	0	(single adj2 tap adj4 coefficient) same (noise adj2 cancellation)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/13 15:04
S25	32	(adaptive adj2 filter) same (single adj2 (tap or weight))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/13 15:15
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S31	1	(adaptive adj2 filter) same (single adj2 (tap or weight)) and (adaptive adj2 filter) same (multiple adj2 (taps or weights))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/13 15:48
S32	0	(adaptive adj2 filter) same (single adj2 (tap or weight)) and (second adj2 adaptive adj2 filter) same (multiple adj2 (taps or weights))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 17:19
S33	0	(second adj2 adaptive adj2 filter) same (multiple adj2 (taps or weights))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/13 15:48

S34	25	(second adj2 adaptive adj2 filter) same (taps or weights)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/13 15:48
S35	3	(adaptive adj2 filter) same (single adj2 (tap or weight)) and (second adj2 adaptive adj2 filter) same (taps or weights)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/13 15:49
S36	60	381/94.1-94.7,71.1.ccls. and (adaptive adj2 filter) same (taps or weights)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 13:24
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S38	115	(381/94.7).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 13:08
S39	6	("5690321" | "5740256" | "5754665" | "5917921" | "6084973" | "6487295").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/20 13:09
S40	0	381/94.1-94.7,71.1.ccls. and (stor$3 adj2 frequecy adj3 threshold) same comparat$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 13:25
S41	1	381/94.1-94.7,71.1.ccls. and (stor$3 adj2 frequency adj3 threshold) same comparat$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 13:25
S42	2	381/94.1-94.7,71.1.ccls. and (stor$3 with frequency with threshold) same comparat$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 13:26
S43	0	(adaptive adj2 filter) same (stor$3 with frequency with thresholds) same comparat$3	US-PGPUB; USPAT; · EPO; JPO	OR	OFF	2005/04/20 13:27
S44	0	381/94.1-94.7,71.1.ccls. and (stor$3 with frequency with thresholds) same comparat$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 15:41
S45	0	(adaptive adj2 filter) same (stor$3 with frequency with thresholds)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 13:27
S46	969	381/94.1-94.7,71.1.ccls. and (frequency domain adaptive filter)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 13:35
S47	10	381/94.1-94.7,71.1.ccls. and (frequency adj2 domain adj2 adaptive adj2 filter)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 13:38
S48	2	381/94.1-94.7,71.1.ccls. and (FDAF)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 13:36
S49	4	"381"/$.ccls. and (FDAF)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 13:36

S50	72	(frequency adj2 domain adj2 adaptive adj2 filter)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:29
S51	1	(frequency adj2 domain adj2 adaptive adj2 filter) same (stored with frequency with threshold with values) same comparat$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/10 11:03
S52	1	(frequency adj2 domain adj2 adaptive adj2 filter) same (stored with frequency with threshold with values)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 15:00
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S59	4	(frequency adj2 domain adj2 adaptive adj2 filter) same (stored)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 15:38
S60	2	(convergence adj2 parameter) with zero with threshold	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 15:39
S61	0	(convergence) with zero with threshold same (FDAF)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 15:39
S62	0	(convergence) with zero with threshold same (frequency adj2 domain adj2 adaptive adj2 filter)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 15:39
S63	0	(convergence) same zero same threshold same (frequency adj2 domain adj2 adaptive adj2 filter)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 15:40
S64	1	381/94.1-94.7,71.1.ccls. and (automatically adj2 set adj3 zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 15:47
S65	1	381/94.1-94.7,71.1.ccls. and (automatically adj3 set adj3 zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 15:41

S66	1	381/94.1-94.7,71.1.ccls. and (automatically adj3 zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 16:35
S67	9	381/94.1-94.7,71.1.ccls. and (stor$3 with threshold with values)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 15:54
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S70	15	(adaptive adj2 filter) same (stor$3 with threshold with values)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 16:02
S71	1	381/94.1-94.7,71.1.ccls. and (single adj2 filter adj2 coefficient)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 17:18
S72	9	381/94.1-94.7,71.1.ccls. and (one adj2 filter adj2 coefficient)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 16:55
S73	13	(frequency adj2 domain adj2 adaptive adj2 filter) same unconstrain$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 17:13
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S75	32	(adaptive adj2 filter) same (single adj2 (tap or weight))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 17:19
S76	2	381/94.1-94.7,71.1-71.14.ccls. and (convergence with compar$7 with threshol$2)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:56
S77	0	(adaptive adj2 fitler) same (convergence) same threshol$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 17:30
S78	71	(adaptive adj2 filter) same (convergence) same threshol$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 17:42
S79	10	(adaptive adj2 filter) same (convergence) near3 zero	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 17:44
S80	41	(adaptive adj2 filter) same (convergence near2 control$4)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 17:45
S81	4	(frequency adj2 domain adj2 adaptive adj2 controller)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/20 17:46

S82	525	(379/406.12,406.13,406.08). CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 09:10
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S84	231	379/406.12,406.13,406.08.ccls. and microphone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 14:16
S85	7	379/406.12,406.13,406.08.ccls. and FDAF	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 09:14
S86	25	379/406.12,406.13,406.08.ccls. and (frequency adj2 domain adj2 adaptive adj2 (filter or controller))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:50
S87	14	381/94.1-94.7,71.1-71.11.ccls. and (single adj2 (tap or weight or coefficiient))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 15:08
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S105	0	filters with (single adj weight)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 10:25
S106	1	FIR with (single adj weight)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 10:25
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S12 1	22	381/94.1-94.7,71.1-71.11.ccls. and (tap) same gain	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:07
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S12 5	49	filter same (one adj tap) same gain	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 14:01
S12 6	1147	(375/232).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 14:01
S12 7	1152	375/232.ccls. one adj2 (tap or weight) same threshold same gain	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 14:02
S12 8	1	375/232.ccls. and one adj2 (tap or weight) same threshold same gain	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 16:06
S12 9	1	("6668014").PN.	USPAT	OR	OFF	2005/04/21 14:04
S13 0	7	381/94.1-94.7,71.1-71.11.ccls. and (threshold adj comparator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:13
S13 1	110	(error adj2 signal) same (threshold adj comparator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 14:09

S13 2	11	(error adj2 signal) same (threshold adj comparator) same noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 14:11
S13 3	27	(error adj2 signal) same (threshold adj3 comparator) same noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 14:11
S13 4	1	379/406.12,406.13,406.08.ccls. and one adj weight	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 14:17
S13 5	35	379/406.12,406.13,406.08.ccls. and one adj tap	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:46
S13 6	6	381/94.1-94.7,71.1-71.11.ccls. and (single adj stage) with filter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 14:20
S13 7	89	(adaptive adj2 filter) with (one adj2 (tap or weight or coefficient))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 14:39
S13 8	0	(frequency adj2 domain adj2 adaptive adj2 filter) same gan same (tap or weight or coefficient)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 14:39
S13 9	46	(adaptive adj2 filter) with (one adj (tap or weight or coefficient))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 14:39
S14 0	4	381/94.1-94.7,71.1-71.14.ccls. and (vector adj2 weight)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 15:06
S14 1	1	("4823391").PN.	USPAT	OR	OFF	2005/04/21 14:51
S14 2	9	381/94.1-94.7,71.1-71.11.ccls. and (single adj (tap or weight or coefficiient))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/04/21 15:09
S14 3	31	block same (frequency adj2 domain adj2 adaptive adj2 filter)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 15:14
S14 4	37	block same (frequency adj2 domain adj2 adaptive adj2 filter$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 15:18
S14 5	0	unsconstrain$2 same (frequency adj2 domain adj2 adaptive adj2 filter$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 15:19
S14 6	14	unconstrain$2 same (frequency adj2 domain adj2 adaptive adj2 filter$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 15:19
S14 7	147	filter with (single adj (tap or weight or coefficiient))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 15:39

S14 8	0	381/94.1-94.7,71.1-71.14.ccls. and (fixed adj tap adj gain adj coefficient)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 15:50
S14 9	2	(fixed adj tap adj gain adj coefficient)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 15:50
S15 0	2	(fixed adj tap adj2 gain adj coefficient)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 15:50
S15 1	2	(fixed adj tap with gain with coefficient)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 15:50
S15 2	10	(fixed with tap with gain with coefficient)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 15:50
S15 3	0	(adaptive adj2 filter) with (at adj least adj one adj (tap or weight or coefficiient))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 16:57
S15 4	11	(adaptive adj2 filter) with (least adj one adj (tap or weight or coefficiient))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 16:04
S15 5	16	375/232.ccls. and one adj2 (tap or weight) same gain	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 16:06
S15 6	5	("4079198" | "4759070" | "5771298" | "5825894" | "6139507").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/21 16:18
S15 7	30	381/94.1-94.7,71.1-71.11.ccls. and (tap or weight or coefficient) with control$4 with gain	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 08:57
S15 8	20	381/94.1-94.7,71.1.ccls. and (at adj least adj one)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:15
S15 9	6	(adaptive adj2 filter) with (at adj least adj one)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:07
S16 0	0	(filter) with (at adj least adj one adj tap)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 16:58
S16 1	1	(filter) with (at adj2 least adj2 one adj2 tap)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 16:58
S16 2	9	(at adj2 least adj2 one adj2 tap) and filter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 16:58
S16 3	2	(adaptive adj2 equalizer) with (only adj one adj (tap or weight or coefficient))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:00

S16 4		391	(only adj one adj (tap or weight or coefficiient))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:03
S16 5		10	(only adj one adj (tap or weight or coefficiient)) same noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:04
S16 6		132	(one adj (tap or weight or coefficiient)) same noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:04
S16 7		1480	381/94.1-94.7,71.1-71.11.ccls. and (gain adh2 control)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:07
S16 8		190	381/94.1-94.7,71.1-71.11.ccls. and (gain adj2 control)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:07
S16 9		5	381/94.1-94.7,71.1-71.11.ccls. and (gain adj2 control) same (tap or weight)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:08
S17 0		9	(adaptive adj2 filter) same (threshold adj comparator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:14
S17 1		0	381/94.1-94.7,71.1-71.11.ccls. and (convergenve adj2 (parameters or values)) with compar$2 with thresholds	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:24
S17 2		0	(convergenve adj2 (parameters or values)) with compar$2 with thresholds	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:17
S17 3		1	381/94.1-94.7,71.1-71.11.ccls. and (convergence adj2 (parameters or values)) with compar$2 with thresholds	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:17
S17 4		2	(convergence adj2 (parameters or values)) with compar$2 with thresholds	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:17
S17 5		1	381/94.1-94.7,71.1-71.11.ccls. and (convergence) with compar$2 with thresholds	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:17
S17 6		1	381/94.1-94.7,71.1-71.11.ccls. and (convergence) with compar$3 with thresholds	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:17
S17 7		2	(convergence adj2 (parameters or values)) with compar$2 with thresholds	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:18
S17 8		2	(convergence) with compar$2 with thresholds same adaptive	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:18

S179	1	(frequency adj2 domain adj2 adaptive adj2 controller) same comparator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:20
S180	1	(frequency adj2 domain adj2 adaptive adj2 filter) same comparator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:20
S181	2	(frequency adj2 domain adj2 adaptive) same comparator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:20
S182	9	381/94.1-94.7,71.1-71.11.ccls. and (adaptive adj2 filter) with set with zero	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/21 17:24
S183	1	("4658426").PN.	USPAT	OR	OFF	2005/04/22 08:57
S184	60	("4658426").URPN.	USPAT	OR	OFF	2005/04/22 08:57
S185	22	("4939685").URPN.	USPAT	OR	OFF	2005/04/22 09:08
S186	1	381/94.1-94.7,71.1-71.14.ccls. and (1-tap)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:13
S187	0	379/406.12,406.13,406.08.ccls. and 1-tap	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:16
S188	0	(adaptive adj2 filter) with 1-tap	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:14
S189	1	(adaptive adj2 filter) same 1-tap	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:14
S190	0	381/94.1-94.7,71.1-71.14.ccls. and (at adj2 least adj2 one adj2 tap)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:16
S191	5	filter same (at adj2 least adj2 one adj2 tap)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:15
S192	0	381/94.1-94.7,71.1-71.14.ccls. and (least adj2 one adj2 tap)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:16
S193	2	381/94.1-94.7,71.1-71.14.ccls. and (least adj2 tap)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:11
S194	9	379/406.12,406.13,406.08.ccls. and (least adj2 one adj2 tap)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:18
S195	91	filter same (least adj2 one adj2 tap)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:18

S19 6	13	(adaptive adj2 filter) same (least adj2 one adj2 tap)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:18
S19 7	2	381/94.1-94.7,71.1-71.14.ccls. and (least adj2 tap)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:07
S19 8	0	(frequency adj2 domain adj2 adaptive adj2 (filter or control$4)) same (threshold adj2 comparator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 14:40
S19 9	4	(frequency adj2 domain adj2 adaptive adj2 (filter or control$4)) and (threshold adj2 comparator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:51
S20 0	1	(frequency adj2 domain adj2 adaptive adj2 (filter or control$4)) and (threshold adj2 values)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:52
S20 1	3	(frequency adj2 domain adj2 threshold adj2 values)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:53
S20 2	74	(frequency adj2 domain) same (threshold adj2 values)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 09:54
S20 3	55	(frequency adj2 domain) same (threshold adj2 values) and (noise or echo)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:07
S20 4	4	381/94.1-94.7,71.1-71.14.ccls. and (frequency adj2 domain) same comparator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 13:29
S20 5	1	(frequency adj2 domain) same comparator same convergence	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:09
S20 6	1	(frequency adj2 domain) same comparator and (generat$4 adj2 convergence)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:09
S20 7	20	(frequency) same comparator and (generat$4 adj2 convergence)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:09
S20 8	2	381/94.1-94.7,71.1-71.14.ccls. and (generat$3 adj2 convergence)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 13:12
S20 9	5	379/406.12,406.13,406.08.ccls. and (generat$3 adj2 convergence)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 15:00
S21 0	2	("5311503").URPN.	USPAT	OR	OFF	2005/04/22 10:27
S21 1	1	(frequency adj2 domain adj2 adaptive adj2 filter) same (stored adj3 threshold)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:29

S21 2	1	(frequency adj2 domain adj2 adaptive adj2 filter) same (stored same threshold)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:43
S21 3	6	(frequency adj2 domain adj2 adaptive adj2 filter) and (stored same threshold)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:38
S21 4	20	(frequency adj2 domain adj2 adaptive adj2 filter) and (stored same frequency)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:38
S21 5	0	(frequency adj2 domain adj2 adaptive adj2 filter) same (stored same amplitude)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:43
S21 6	17	("4807173").URPN.	USPAT	OR	OFF	2005/04/22 10:49
S21 7	477	(708/321,322).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:52
S21 8	1	708/321,322.ccls. and convergence same (threshold or amplitude) same comparator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:53
S21 9	32	708/321,322.ccls. and (threshold or amplitude) same comparator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/22 10:53
S22 0	3	381/94.1-94.7,71.1-71.14.ccls. and (filter with automatically with set with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 13:40
S22 1	4	381/94.1-94.7,71.1-71.14.ccls. and (filter with automatically with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 13:35
S22 2	1	381/94.1-94.7,71.1-71.14.ccls. and (filter with automatically with switch$2 with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 15:55
S22 3	1	(convergence adj3 parameter) with automatic$6 with set with zero	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 13:41
S22 4	0	convergence with mu with automatic$6 with set with zero	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 13:41
S22 5	1	381/94.1-94.7,71.1-71.14.ccls. and (convergence with mu with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 13:52
S22 6	1	381/94.1-94.7,71.1-71.14.ccls. and (convergence with parameter with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 13:52
S22 7	6	379/406.12,406.13,406.08.ccls. and (convergence with parameter with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 13:55

S228	9	379/406.12,406.13,406.08.ccls. and (convergence with parameter) same zero	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 14:06
S229	1	("5491754").PN.	USPAT	OR	OFF	2005/04/26 14:06
S230	25	(frequency adj2 domain adj2 adaptive adj2 (filter or control$4)) same (convergence)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 14:43
S231	5	(frequency adj2 domain adj2 adaptive adj2 (filter or control$4)) same (step adj2 size)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 14:45
S232	0	(frequency adj2 domain adj2 adaptive adj2 (filter or control$4)) same (step adj2 size) same zero	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 14:46
S233	0	(frequency adj2 domain adj2 adaptive adj2 filter) same (step adj2 size) same zero	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 14:46
S234	47	(adaptive adj2 filter) same (step adj2 size) same zero	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 14:47
S235	34	(adaptive adj2 filter) same (step adj2 size) same zero and noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 15:27
S236	12	(adaptive adj2 filter) same (step adj2 size) same zero and noise and threshold and comparator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 14:59
S237	101	noise adj2 cancelling adj2 microphone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/26 15:42
S238	8	("5473684").URPN.	USPAT	OR	OFF	2005/04/26 15:42
S239	11	381/94.1-94.7,71.1-71.14.ccls. and (stor$3 adj3 threshold)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/02 15:01
S241	4	(mu or (step adj2 size) or (covergence adj2 parameter)) with (automatically with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:54
S242	2	(step adj2 size or (covergence adj2 parameter)) with (automatically with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:53
S243	2	(step adj2 size or (covergence)) with (automatically with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:54
S244	16840	(step adj2 size) or (covergence) with (automatically with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:53

S24 5	16840	(step adj2 size) or (covergence) with (automatically with zero) same filter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:54
S24 6	0	(covergence) with (automatically with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:54
S24 7	5	(mu or (step adj2 size) or (convergence adj2 parameter)) with (automatically with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:55
S24 8	8	(step adj2 size or (convergence)) with (automatically with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:55
S24 9	6	(convergence) with (automatically with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:54
S25 0	19	381/94.1-94.7,71.1-71.14.ccls. and (convergence with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:58
S25 1	71	381/94.1-94.7,71.1-71.14.ccls. and (zero) with non-zero	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:58
S25 2	1	381/94.1-94.7,71.1-71.14.ccls. and (zero with non-zero) same threshold same comparator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:58
S25 3	8	381/94.1-94.7,71.1-71.14.ccls. and (zero with non-zero) and threshold same comparator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 14:59
S25 4	4	379/406.12,406.13,406.08.ccls. and (zero with non-zero) and (threshold same comparator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/02 15:00
S25 5	57	(adaptive adj3 filter) and (zero with non-zero) and (threshold same comparator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 15:05
S25 6	38	("5146470").URPN.	USPAT	OR	OFF	2005/04/29 15:23
S25 7	3	frequency adj2 domain adj2 threshold adj2 values	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 15:24
S25 8	33	frequency adj2 domain adj2 threshol$6	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 15:26
S25 9	6	(frequency adj2 domain adj2 adaptive) same threshol$6	US-PGPUB; USPAT; EPO; JPO	OR.	OFF	2005/04/29 15:27
S26 0	439	(frequency adj2 domain) with threshol$6	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 15:28

S26 1	9	(frequency adj2 domain) with threshol$6 same (comparator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/04/29 15:28
S26 2	1	(frequency adj2 dependent adj3 converg$4 adj2 control)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/02 13:51
S26 3	2	(frequency adj2 dependent) same converg$4 adj2 control	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/02 13:54
S26 4	11	(frequency adj2 dependent) same converg$4 same filter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/02 14:19
S26 5	1	("4070553").PN.	USPAT	OR	OFF	2005/05/02 14:19
S26 6	6	381/94.1-94.7,71.1-71.14.ccls. and (stor$3 with threshold) same comparator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/03 18:47
S26 7	1	381/94.1-94.7,71.1-71.14.ccls. and (unconstrai$3 adj2 adaptation)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/03 18:41
S26 8	3	381/94.1-94.7,71.1-71.14.ccls. and (circular adj2 correlation)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/03 18:41
S26 9	2	379/406.12,406.13,406.08.ccls. and (circular adj2 correlation)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/05 12:28
S27 0	60	381/94.1-94.7,71.1-71.14.ccls. and (threshold with comparator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:45
S27 1	6	381/94.1-94.7,71.1-71.14.ccls. and (threshold with comparator with frequency)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 10:58
S27 2	0	379/406.12,406.13,406.08.ccls. and (threshold with comparator with frequency)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/03 18:49
S27 3	471	filter same (threshold with comparator with frequency)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:13
S27 4	5	(adaptive adj2 filter$3) same (threshold with comparator with frequency)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/03 18:50
S27 5	6	(adaptive adj2 filter$3) same (threshold with frequency) same comparator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/03 18:50
S27 6	3	379/406.12,406.13,406.08.ccls. and (stor$3 adj2 threshold)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/05 12:28

S27 7	269	(704/200.1).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 10:58
S27 8	169	(704/200.1).ccls. and threshold	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 10:59
S27 9	11	(704/200.1).ccls. and (threshold with comparator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:02
S28 0	81	(704/200.1).ccls. and (threshold same compar$5)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/20 11:49
S28 1	15	filter same (stor$3 with threshold with comparator with frequency)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:31
S28 2	2	FFT same (stor$3 with threshold with comparator with frequency)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:18
S28 3	7	FFT same (stor$3 with threshold with comparator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:18
S28 4	42	filter and (stor$3 with threshold with comparator with frequency)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:34
S28 5	2	((timer or clock) with convergence with zero) same filter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:35
S28 6	7	((timer or clock) with convergence with zero) and filter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:36
S28 7	1	(timer with convergence with zero) and filter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:36
S28 8	1	(timer with convergence with zero)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:36
S28 9	1	381/94.1-94.7,71.1-71.14.ccls. and (comparator with software with hardware)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:50
S29 0	0	379/406.12,406.13,406.08.ccls. and (comparator with software with hardware)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:46
S29 1	14	filter same (comparator with software with hardware)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:46
S29 2	2	381/94.1-94.7,71.1-71.14.ccls. and (manual$2 with threshold with values)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/10 10:43

S293	1	(manual$2 adj2 enter$3 adj2 threshold adj2 values)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:51
S294	5	(manual$2 adj2 enter$3 adj2 threshol$2)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:51
S295	115	(manual$2 with threshol$2) same filter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:52
S296	12	(manual$2 with threshol$2) same filter same stor$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/19 18:56
S297	27	(manual$2 with threshol$2) same frequency same stor$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/09 11:58
S298	0	381/94.1-94.7,71.1-71.14.ccls. and (masking adj2 principle)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/10 10:43
S299	120	381/94.1-94.7,71.1-71.14.ccls. and (masking)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/10 11:00
S300	22	381/94.1-94.7,71.1-71.14.ccls. and (masking) same threshold	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/20 11:29
S301	21	379/406.12,406.13,406.08.ccls. and (masking)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/10 10:58
S302	0	(frequency adj2 domain adj2 adaptive adj2 filter) same (smasking)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/10 11:03
S303	1	(frequency adj2 domain adj2 adaptive adj2 filter) same (masking)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/10 11:03
S304	10	(adaptive adj2 filter$3) same (stored with threshold with values)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/19 18:38
S305	40	381/94.1-94.7,71.1.ccls. and (microphone with mouth)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/19 19:05
S306	1	("5815496").PN.	USPAT	OR	OFF	2005/05/19 18:54
S307	1	("4649505").PN.	USPAT	OR	OFF	2005/05/19 18:56
S308	1	381/94.1-94.7,71.1.ccls. and (comparator with implement$3 with (hardware or software))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/19 19:06

S309	1	381/94.1-94.7,71.1.ccls. and (comparator with (hardware or software))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/20 11:18
S310	65	(stored with frequency with threshold) same compara$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/20 11:34
S311	125	(stor$3 with frequency with threshold) same compara$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/20 11:24
S312	67	(stor$3 with frequency with threshold) same compara$4 and (filter)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/20 11:24
S313	7	(stor$3 with frequency with threshold) same compara$4 and (adaptive)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/20 11:24
S314	3	(masking) same threshold same comparator same error and (filter$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/20 11:35
S315	8	(masking) same threshold same comparator same coefficie$3 and (filter$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/20 11:29
S316	1	("5377277").PN.	USPAT	OR	OFF	2005/05/20 11:35
S317	72	(704/200.1).ccls. and (masking same threshold) same (determin$6 or generat$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 15:44
S318	1	("6418404").PN.	USPAT	OR	OFF	2005/05/23 14:36
S319	9	("4866777" | "5014318" | "5475789" | "5590108" | "5632003" | "5651093" | "5677994" | "5809454" | "6138101").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/23 14:41
S320	0	("6418404").URPN.	USPAT	OR	OFF	2005/05/23 14:53
S321	0	(704/200.1).ccls. and (masking same threshold) same (determin$6 or generat$3) same convergence	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 15:45
S322	4	(704/200.1).ccls. and (masking same threshold) same (determin$6 or generat$3) and convergence	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 15:59
S323	11	("704"/$).ccls. and (masking same threshold) same (determin$6 or generat$3) and convergence	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 15:57
S324	11	("704"/$).ccls. and (masking same threshold) same (determin$6 or generat$3) same (step adj2 size)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 15:57

S34 1	10	(vary$3 same convergence) and (vad)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:43
S34 2	33	((vary$3 or chang$3 or modif$4) same convergence) and (vad)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:44
S34 3	121	((vary$3 or chang$3 or modif$4) same convergence) and (speech with detect$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:54
S34 4	1	(speech with detect$3) same ((each or every) with bin)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:45
S34 5	0	("EP-479367-$.did.").PN.	USPAT; EPO	OR	OFF	2005/05/23 16:50
S34 6	67	((vary$3 or chang$3 or modif$4) with convergence) and (speech with detect$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:54

S32 5	0	(704/200.1).ccls. and (masking same threshold) same (generat$3 with convergence)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 15:59
S32 6	0	("704"/$).ccls. and (masking same threshold) same (generat$3 with convergence)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:00
S32 7	0	("704"/$).ccls. and (masking same threshold) same (determi$7 with convergence)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:03
S32 8	2	("704"/$).ccls. and (masking same threshold) and (generat$3 with convergence)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:00
S32 9	3	(masking same threshold) and (generat$3 with convergence)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:00
S33 0	3	("704"/$).ccls. and (masking same threshold) same (convergence)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:16
S33 1	0	speech same vAD same (different with convergence with bin)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:18
S33 2	0	vAD same (different with convergence with bin)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:18
S33 3	0	vAD same (different same convergence same bin)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:18
S33 4	0	(voice adj2 activity adj2 detect$3) same (different same convergence same bin)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:18
S33 5	10	(different same convergence same bin)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:35
S33 6	6	(vary$3 same convergence same bin)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:39
S33 7	2475	(vary$3 same convergence)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:40
S33 8	2	(vary$3 same convergence) and FDAF	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:40
S33 9	0	(vary$3 same convergence) and (frequency adj2 domain adj2 adaptive adj2 fitler)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:40
S34 0	7	(vary$3 same convergence) and (frequency adj2 domain adj2 adaptive adj2 filter)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/23 16:41